

SEQUENCE LISTING

<110> Cramer, Reto
Hemmann, Stefanie
Blaser, Kurt

<120> Methods for Diagnosis of Allergic Bronchopulmonary
Aspergillosis

<130> 10806-93

<140> us09/319,806

<141> 1999-08-19

<150> SE9604815-2

<151> 1996-12-20

<150> PCT/SE97/02171

<151> 1997-12-19

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<170> PatentIn Ver. 2.1

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<212> DNA

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<223> Description of Artificial Sequence: recombinant
allergan rAsp f6

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<223> Description of Artificial Sequence: recombinant
 allergen rAsp f6

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 20 25 30

Thr Tyr Val Asn Gly Leu Asn Ala Ala Leu Glu Ala Gln Lys Lys Ala
 35 40 45

Ala Glu Ala Asn Asp Val Pro Lys Leu Val Ser Val Gln Gln Ala Ile
 50 55 60

Lys Phe Asn Gly Gly Gly His Ile Asn His Ser Leu Phe Trp Lys Asn
 65 70 75 80

Leu Ala Pro Glu Lys Ser Gly Gly Gly Lys Ile Asp Gln Ala Pro Val
 85 90 95

Leu Lys Ala Ala Ile Glu Gln Arg Trp Gly Ser Phe Asp Lys Phe Lys
 100 105 110

Asp Ala Phe Asn Thr Thr Leu Leu Gly Ile Gln Gly Ser Gly Trp Gly
 115 120 125

Trp Leu Val Thr Asp Gly Pro Lys Gly Lys Leu Asp Ile Thr Thr Thr
 130 135 140

His Asp Gln Asp Pro Val Thr Gly Ala Ala Pro Val Phe Gly Val Asp
 145 150 155 160

Met Trp Glu His Ala Tyr Tyr Leu Gln Tyr Leu Asn Asp Lys Ala Ser
 165 170 175

Tyr Ala Lys Gly Ile Trp Asn Val Ile Asn Trp Ala Glu Ala Glu Asn
 180 185 190

Arg Tyr Ile Ala Gly Asp Lys Gly Gly His Pro Phe Met Lys Leu
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*B-1
 anti d*

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 <223> Description of Artificial Sequence: recombinant
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 <223> Description of Artificial Sequence: recombinant
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 20 25 30
 Val Ser Gln Ala Thr Pro Val Ser Asn Ala Val Ala Ala Ala Ala
 35 40 45
 Ala Ser Thr Pro Glu Pro Ser Ser Ser His Ser Asp Ser Ser Ser Ser

50

55

60

Ser Gly Val Ser Ala Asp Trp Thr Asn Thr Pro Ala Glu Gly Glu Tyr
65 70 75 80

Cys Thr Asp Gly Phe Gly Gly Arg Thr Glu Pro Ser Gly Ser Gly Ile
85 90 95

Phe Tyr Lys Gly Asn Val Gly Lys Pro Trp Gly Ser Asn Ile Ile Glu
100 105 110

Val Ser Pro Glu Asn Ala Lys Lys Tyr Lys His Val Ala Gln Phe Val
115 120 125

Gly Ser Asp Thr Asp Pro Trp Thr Val Val Phe Trp Asn Lys Ile Gly
130 135 140

Pro Asp Gly Gly Leu Thr Gly Trp Tyr Gly Asn Ser Ala Leu Thr Leu
145 150 155 160

His Leu Glu Ala Gly Glu Thr Lys Tyr Val Ala Phe Asp Glu Asn Ser
165 170 175

Gln Gly Ala Trp Gly Ala Ala Lys Gly Asp Glu Leu Pro Lys Asp Gln
180 185 190

Phe Gly Gly Tyr Ser Cys Thr Trp Gly Glu Phe Asp Phe Asp Ser Lys
195 200 205

Ile Asn His Gly Trp Ser Gly Trp Asp Val Ser Ala Ile Gln Ala Glu
210 215 220

Asn Ala His His Glu Val Gln Gly Met Lys Ile Cys Asn His Ala Gly
225 230 235 240

Glu Leu Cys Ser Ile Ile Ser His Gly Leu Ser Lys Val Ile Asp Ala
245 250 255

Tyr Thr Ala Asp Leu Ala Gly Val Asp Gly Ile Gly Gly Lys Val Val
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Pro Gly Pro Thr Arg Leu Val Val Asn Leu Asp Tyr Lys Glu
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<210> 5

<211> 336

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: recombinant
allergen rAsp f8

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aagctcattg ctgagctcga gggcaaggac ctccaggagc tcattgccga gggttccacc 180
aagctcgctt ccgttcctc cggtggtgct gccgccgctg ctctgcccgc tgccggtgcc 240
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<210> 6

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: recombinant
allergen rAsp f8

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Ser Pro Ser Ser Glu Asp Val Lys Ala Val Leu Ser Ser Val Gly Ile
20 25 30
Asp Ala Asp Glu Glu Arg Leu Asn Lys Leu Ile Ala Glu Leu Glu Gly
35 40 45
Lys Asp Leu Gln Glu Leu Ile Ala Glu Gly Ser Thr Lys Leu Ala Ser
50 55 60
Val Pro Ser Gly Gly Ala Ala Ala Ala Pro Ala Ala Ala Gly Ala
65 70 75 80
Ala Ala Gly Gly Ala Ala Ala Pro Ala Ala Lys Glu Lys Asn Glu Glu
85 90 95
Glu Lys Glu Glu Ser Asp Glu Asp Met Gly Phe Gly Leu Phe Asp
100 105 110

<210> 7

<211> 8
<212> PRT
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<223> Description of Artificial Sequence: residue for
attachment to C-terminus

<400> 7

Val Glu His His His His His His
1 5

<210> 8

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: residue for
attachment to N-terminal end

<400> 8

Met Arg Gly Ser His His His His His His Met
1 5 10